



**PORTION DESCRIPTIONS**

**FROM THE**

**SEPTEMBER 13, 2000**

**MINERAL LEASE SALE**

STATE LEASE NO. 16830  
EXHIBIT "A"

**PORTION OF TRACT 32753 - PORTION OF BLOCK 51, WEST DELTA AREA, Plaquemines Parish, Louisiana**

That portion of Block 51, West Delta Area, Plaquemines Parish, Louisiana, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, described as follows: Beginning at a point within Block 51, West Delta Area, also being the Southeast corner of State Lease No. 16349 having Coordinates of X = 2,615,455.68 and Y = 147,824.45; thence South 1,989.30 feet to a point having Coordinates of X = 2,615,455.68 and Y = 145,835.15; thence South 67 degrees 30 minutes 01 seconds West 2,201.24 feet to a point having Coordinates of X = 2,613,422.00 and Y = 144,992.78; thence North 67 degrees 30 minutes 00 seconds West 2,857.51 feet to a point having Coordinates of X = 2,610,782.00 and Y = 146,086.30; thence North 16 degrees 36 minutes 26 seconds West 1,813.81 feet to a point on the South boundary of said State Lease No. 16349 having Coordinates of X = 2,610,263.60 and Y = 147,824.45; thence East 5,192.08 feet along the South boundary of said State Lease No. 16349 to the point of beginning, containing approximately **261.36 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

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STATE LEASE NO. 16831  
EXHIBIT "A"

**PORTION OF TRACT 32754 - PORTION OF BLOCK 51, WEST DELTA AREA, Plaquemines Parish, Louisiana**

That portion of Block 51, West Delta Area, Plaquemines Parish, Louisiana, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, described as follows: Beginning at a point within Block 51, West Delta Area, said point being the Southeast corner of State Lease No. 16349 having Coordinates of X = 2,615,455.68 and Y = 147,824.45; thence Northerly on a straight line to a point on the Northern boundary of said Block 51 having Coordinates of X = 2,615,451.75 and Y = 154,695.97; thence North 89 degrees 03 minutes 12 seconds East 3,120.67 feet along the said Northern boundary of said Block 51 to a point having Coordinates of X = 2,618,572.00 and Y = 154,747.52; thence South 6,151.22 feet to a point having Coordinates of X = 2,618,572.00 and Y = 148,596.30; thence South 45 degrees 00 minutes 00 seconds West 3,549.68 feet to a point having Coordinates of X = 2,616,062.00 and Y = 146,086.30; thence South 67 degrees 29 minutes 59 seconds West 656.28 feet to a point having Coordinates of X = 2,615,455.68 and Y = 145,835.15; thence North 1,989.30 feet to the point of beginning, **LESS AND EXCEPT** any portion of State Lease No. 192, as amended, that may lie within the above described tract and also **LESS AND EXCEPT** any portion of State Lease No. 16349 that may lie within the above described tract, containing approximately **547.53 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16834  
EXHIBIT "A"

**PORTION OF TRACT 32759 - Bienville, Bossier and Webster Parishes, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Bienville, Bossier and Webster Parishes, Louisiana, within the following described boundaries: Beginning at a point on the Northernmost South line of State Lease No. 16531 having Coordinates of X = 1,725,260.00 and Y = 640,000.00; thence South 4,800.00 feet to a point having Coordinates of X = 1,725,260.00 and Y = 635,200.00; thence East 5,600.00 feet to a point having Coordinates of X = 1,730,860.00 and Y = 635,200.00; thence North 4,800.00 feet to a point having Coordinates of X = 1,730,860.00 and Y = 640,000.00; thence West 5,060.00 feet to the Northernmost Southeast corner of said State Lease No. 16531 having Coordinates of X = 1,725,800.00 and Y = 640,000.00; thence West 540.00 feet on the said Northernmost South line of said State Lease No. 16531 to the point of beginning, including all lands lying below the elevation of 148.60 feet, as established by the BLM, **LESS AND EXCEPT** that portion of the nomination from the surface to 5530 feet located within the geographical boundary of the Underground Storage Lease No. 470, being the Bistineau Gas Storage Pool in the Sligo Formation, also known as the Pettit Formation, containing approximately 300.66 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (North Zone).

NOTE: This tract encompasses an area beneath which is located on the Bistineau Gas Storage Pool in the Sligo formation of the Pettit Porosity. Accordingly, any mineral related activity, including, but not limited to, the exploration and drilling for, and the production and storage of oil, gas and other liquid or gaseous minerals, conducted under a valid mineral lease which may be obtained from the State, shall be subject to any statewide orders issued by the Louisiana Office of Conservation pertinent to conducting such operations in this area and upon this tract, including particularly, but not limited to, the following: Order Nos. 287, 287-A, 287-A-1, 287-B, Supplement to 287-B, 287-B-1, 287-B-2 and 287-B-3. The successful bidder on this tract shall contact the operator of the Bistineau Gas Storage Pool and the Office of Conservation prior to initiating and conducting any of the aforementioned activity hereon.

STATE LEASE NO. 16839  
EXHIBIT "A"

**PORTION OF TRACT 32772 - Cameron Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Cameron Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,555,511.45 and Y = 464,136.98; thence East 2,800.00 feet to a point having Coordinates of X = 1,558,311.45 and Y = 464,136.98; thence South 54 degrees 51 minutes 47 seconds East 5,622.71 feet to a Northeastern corner of State Lease No. 1812, as amended, having Coordinates of X = 1,562,909.58 and Y = 460,900.92; thence along the Northern and Western boundaries of said State Lease No. 1812 the following courses: North 89 degrees 17 minutes 54 seconds West 2,640.00 feet, South 00 degrees 42 minutes 06 seconds West 1,743.30 feet and North 89 degrees 17 minutes 54 seconds West 1,500.00 feet to its most West Northwest corner; thence North 89 degrees 17 minutes 54 seconds West 1,122.19 feet to a point on the Eastern boundary of State Lease No. 377, as amended, having Coordinates of X = 1,557,626.44 and Y = 459,222.19; thence North 00 degrees 42 minutes 07 seconds East 3,729.40 feet along the East boundary of said State Lease No. 377 to its Northeast corner; thence North 89 degrees 17 minutes 54 seconds West 2,175.01 feet to its Northwest corner being a point on the Eastern boundary of State Lease No. 344, as amended, having Coordinates of X = 1,555,497.27 and Y = 462,977.95; thence Northerly approximately 466 feet to the Northeast corner of said State Lease No. 344; thence Northerly approximately 692 feet to the point of beginning, **LESS AND EXCEPT** any portion of State Lease No. 344, as amended, that may lie within the above described tract, containing approximately 378 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16840  
EXHIBIT "A"

**PORTION OF TRACT 32774 - Cameron Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Cameron Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,580,347.56 and Y = 457,056.98; thence West 2,780.00 feet to a point having Coordinates of X = 1,577,567.56 and Y = 457,056.98; thence North 1,570.00 feet to a point having Coordinates of X = 1,577,567.56 and Y = 458,626.98; thence East 2,780.00 feet to a point having Coordinates of X = 1,580,347.56 and Y = 458,626.98; thence South 1,570.00 feet to the point of beginning, containing approximately **100.20 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16841  
EXHIBIT "A"

**PORTION OF TRACT 32779 - Cameron Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Cameron Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,580,347.56 and Y = 457,056.98; thence South 3,550.00 feet to a point having Coordinates of X = 1,580,347.56 and Y = 453,506.98; thence West 2,780.00 feet to a point having Coordinates of X = 1,577,567.56 and Y = 453,506.98; thence North 3,550.00 feet to a point having Coordinates of X = 1,577,567.56 and Y = 457,056.98; thence East 2,780.00 feet to the point of beginning, containing approximately 125 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16842  
EXHIBIT "A"

**PORTION OF TRACT 32780 - Cameron Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Cameron Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,587,627.56 and Y = 451,776.98; thence West 5,000.00 feet to a point having Coordinates of X = 1,582,627.56 and Y = 451,776.98; thence North 3,700.00 feet to a point having Coordinates of X = 1,582,627.56 and Y = 455,476.98; thence East 5,000.00 feet to a point having Coordinates of X = 1,587,627.56 and Y = 455,476.98; thence South 3,700.00 feet to the point of beginning, containing approximately **175 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.



STATE LEASE NO. 16843  
EXHIBIT "A"

**PORTION OF TRACT 32785 - Cameron Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Cameron Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,587,627.56 and Y = 451,776.98; thence South 2,800.00 feet to a point having Coordinates of X = 1,587,627.56 and Y = 448,976.98; thence West 5,000.00 feet to a point having Coordinates of X = 1,582,627.56 and Y = 448,976.98; thence North 2,800.00 feet to a point having Coordinates of X = 1,582,627.56 and Y = 451,776.98; thence East 5,000.00 feet to the point of beginning, containing approximately 85 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16844  
EXHIBIT "A"

**PORTION OF TRACT 32792 - Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Plaquemines Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 2,543,300.00 and Y = 271,500.00; thence North 13 degrees 45 minutes 39 seconds West 5,044.80 feet to a point having Coordinates of X = 2,542,100.00 and Y = 276,400.00; thence Northeasterly approximately 6,650 feet to a point on the right descending bank of the Mississippi River being the Northwest corner of State Lease No. 16728; thence Southeasterly along the Western boundary of said State Lease No. 16728 to its Southwest corner; thence Southeasterly approximately 1,150 feet along the right descending bank of the Mississippi River to its intersection with an East-West line having a Coordinate of Y = 271,500.00; thence West approximately 6,770 feet to the point of beginning, **LESS AND EXCEPT** any portion of State Lease No. 16728 that may lie within the above described tract, containing approximately 120 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

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STATE LEASE NO. 16845  
EXHIBIT "A"

**PORTION OF TRACT 32793 - Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Plaquemines Parish, Louisiana, within the following described boundaries: Beginning at the Northwest corner of State Lease No. 3263 having Coordinates of X = 2,604,799.66 and Y = 193,369.58; thence South 01 degrees 43 minutes 30 seconds East 884.65 feet along the West boundary of said State Lease No. 3263 to a point having Coordinates of X = 2,604,825.09 and Y = 192,525.31; thence South 36 degrees 54 minutes 57 seconds West approximately 4,250 feet to a point on the Eastern boundary of State Lease No. 192, as amended; thence Northwesterly approximately 4,750 feet along the Eastern boundary of said State Lease No. 192 to its intersection with a line bearing South 89 degrees 24 minutes 23 seconds West extended from a point having Coordinates of X = 2,604,799.66 and Y = 193,369.58; thence North 89 degrees 24 minutes 23 seconds East approximately 4,760 feet along said line to the point of beginning, **LESS AND EXCEPT** all those portions of State Lease No. 192, as amended, that may lie within the above described tract, containing approximately **246.85 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

## STATE LEASE NO. 16846

## EXHIBIT "A"

**PORTION OF TRACT 32793 - Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Plaquemines Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 2,599,360.33 and Y = 198,485.03; thence South 88 degrees 16 minutes 08 seconds West approximately 3,503 feet to a point on the Eastern boundary of State Lease No. 192, as amended; thence Northwesterly approximately 2,782 feet along said Eastern boundary of said State Lease No. 192 to a point of intersection with a line bearing South 01 degrees 22 minutes 12 seconds East extended from a point having Coordinates of X = 2,593,992.04 and Y = 203,477.02; thence North 01 degrees 22 minutes 12 seconds West approximately 2,950 feet along said line to said point having Coordinates of X = 2,593,992.04 and Y = 203,477.02; thence North 86 degrees 51 minutes 39 seconds East 5,216.59 feet to a point having Coordinates of X = 2,599,200.80 and Y = 203,762.70; thence South 01 degrees 43 minutes 52 seconds East 5,280.06 feet to the point of beginning, **LESS AND EXCEPT** all those portions of State Lease No. 192, as amended, that may lie within the above described tract, containing approximately 55 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16847  
EXHIBIT "A"

PORTION OF TRACT 32794 - PORTION OF BLOCK 46, MAIN PASS AREA, REVISED,  
Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the West line of Block 46, Main Pass Area, Revised, being the Northwest corner of State Lease No. 16661 having Coordinates of X = 2,664,850.00 and Y = 266,080.00; thence North 6,800.00 feet along the West line of said Block 46 to a point having Coordinates of X = 2,664,850.00 and Y = 272,880.00; thence East 7,375.00 feet to a point having Coordinates of X = 2,672,225.00 and Y = 272,880.00; thence South 2,020.45 feet to the Northeast corner of said State Lease No. 16661 having Coordinates of X = 2,672,225.00 and Y = 270,859.55; thence North 52 degrees 35 minutes 09 seconds West 1,549.86 feet along the Northern boundary of said State Lease No. 16661 to a corner having Coordinates of X = 2,670,994.00 and Y = 271,801.20; thence South 47 degrees 02 minutes 27 seconds West 8,395.29 feet along the Northern boundary of said State Lease No. 16661 to the point of beginning, containing approximately 599.43 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16848  
EXHIBIT "A"

**PORTION OF TRACT 32795 - PORTION OF BLOCK 46, MAIN PASS AREA, REVISED,  
Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at the most East Northeast corner of State Lease No. 16661, located within Block 46, Main Pass Area, Revised, having Coordinates of X = 2,672,225.00 and Y = 270,859.55; thence North 2,820.45 feet to a the Southwest corner of the Northeast portion of State Lease No. 2726, as amended, having Coordinates of X = 2,672,225.00 and Y = 273,680.00; thence on and along said Southern boundary of State Lease No. 2726, as amended, the following courses and distances: South 80 degrees 00 minutes 13 seconds East 1,500.11 feet and South 85 degrees 30 minutes 00 seconds East 1,788.18 feet to a point having Coordinates of X = 2,675,485.00 and Y = 273,279.30; thence South 521.21 feet to a point having Coordinates of X = 2,675,485.00 and Y = 272,758.09, said point also being on the Northern boundary of the Southeast portion of said State Lease No. 2726; thence Southwesterly on the Northern boundary of the Southeast portion of said State Lease No. 2726 to a point on the East boundary of said State Lease No. 16661 having Coordinates of X = 2,672,225.00 and Y = 269,856.27; thence North 1,003.28 feet along the Eastern boundary of said State Lease No. 16661 to the point of beginning, containing approximately 163.93 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16849  
EXHIBIT "A"

**PORTION OF TRACT 32797 - PORTION OF BLOCK 52, MAIN PASS AREA, REVISED,  
Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the East line of Block 52, Main Pass Area, Revised, having Coordinates of X = 2,664,850.00 and Y = 258,830.00; thence Northwesterly approximately 7,941 feet to a point; thence North 02 degrees 59 minutes 38 seconds East 1,404.82 feet to the most South Southwest corner of State Lease No. 16664 having Coordinates of X = 2,656,904.00 and Y = 261,271.20; thence North 71 degrees 05 minutes 36 seconds East 5,863.35 feet along the Southern boundary of said State Lease No. 16664 to its Southeast corner having Coordinates of X = 2,662,451.00 and Y = 263,171.10; thence East 441.34 feet to a point on the Western boundary of State Lease No. 16666 having Coordinates of X = 2,662,892.34 and Y = 263,171.10; thence South 19 degrees 56 minutes 32 seconds West 2,355.33 feet on the West boundary of said State Lease No. 16666 to its Southwest corner having Coordinates of X = 2,662,089.00 and Y = 260,957.00; thence South 81 degrees 23 minutes 08 seconds East 2,792.50 feet along the Southern boundary of said State Lease No. 16666 to its Southeast corner located on the East line of said Block 52 having Coordinates of X = 2,664,850.00 and Y = 260,538.73; thence South 1,708.73 feet along the East line of said Block 52 to the point of beginning, containing approximately **441.01 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16850  
EXHIBIT "A"

**PORTION OF TRACT 32798 - PORTION OF BLOCK 52, MAIN PASS AREA, REVISED,  
Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at the Southeast corner of State Lease No. 16849, located on the East line of Block 52, Main Pass Area, Revised, having Coordinates of X = 2,664,850.00 and Y = 258,830.00; thence South 1,130.00 feet along the East line of said Block 52 to the Northernmost corner of State Lease No. 11188, as amended, having Coordinates of X = 2,664,850.00 and Y = 257,700.00; thence North 54 degrees 11 minutes 51 seconds West 2,363.88 feet to a point on the Southern boundary of said State Lease No. 16849; thence Southeasterly approximately 1,933.8 feet along the Southern boundary of said State Lease No. 16849 to the point of beginning, containing approximately **24.87 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.



STATE LEASE NO. 16851  
EXHIBIT "A"

**PORTION OF TRACT 32799 - PORTION OF BLOCK 53, MAIN PASS AREA, REVISED,  
Plaquemines Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on September 13, 2000, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the West line of Block 53, Main Pass Area, Revised, being the Southwest corner of State Lease No. 16667 having Coordinates of X = 2,664,850.00 and Y = 260,538.73; thence South 81 degrees 23 minutes 08 seconds East 1,966.63 feet along the Southern boundary of State Lease No. 16667 to a point having Coordinates of X = 2,666,794.44 and Y = 260,244.16; thence South 37 degrees 23 minutes 23 seconds West 3,202.13 feet to the Northernmost point of State Lease No. 11189, as amended, and a point on the West line of said Block 53 having Coordinates of X = 2,664,850.00 and Y = 257,700.00; thence North 2,838.73 feet on the West line of said Block 53 to the point of beginning, containing approximately 63.36 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16853  
EXHIBIT "A"

**PORTION OF TRACT 32807 - Vermilion Parish, Louisiana**

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on September 13, 2000, situated in Vermilion Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 1,631,438.40 and Y = 400,924.30; thence West 3,125.20 feet to a point having Coordinates of X = 1,634,563.60 and Y = 400,924.30; thence South 23 degrees 01 minutes 13 seconds East approximately 1,531 feet to a point of intersection with the 1942 coastline of White Lake; thence Westerly approximately 3,748 feet along said coastline to a point having a Ccoordinate of X = 1,631,438.40; thence North approximately 1,829 feet to the point of beginning, **LESS AND EXCEPT** all those portions of White Lake lying South of the 1942 coastline of White Lake, containing approximately **35.6 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16854  
EXHIBIT "A"

**PORTION OF TRACT 32809 - Vermilion Parish, Louisiana**

A portion of the entirety of the beds and bottoms embraced within the meanders of White Lake as the same presently exists and not under mineral lease on September 13, 2000, located in any parts of Township 14 South, Ranges 1, 2 and 3 West and 1 East, and Township 15 South, Ranges 1, 2 and 3 West and 1 East, all in Vermilion Parish, Louisiana, (subject to the understanding that: "Nothing herein shall affect the rights if any, of any person who may claim title to any portion of what was formerly land adjoining White Lake and which is now water-covered because of erosion"), which area, for all purposes of said lease, shall be considered to comprise 50,000 acres, whether it actually comprises more or less and more specifically described as follows: Beginning at a point having Coordinates of X = 1,635,162.40 and Y = 394,745.00; thence West 1,730.29 feet to a point having Coordinates of X = 1,633,432.11 and Y = 394,745.00; thence North 24 degrees 37 minutes 13 seconds West approximately 4,786 feet to a point on the 1942 coastline of White Lake; thence Easterly approximately 3,748 feet along the said coastline to a point having a Coordinate of X = 1,635,162.40; thence South approximately 4,769 feet to the point of beginning, **LESS AND EXCEPT** all that portion of State Lease No. 16853 that may lie within the above described tract, containing approximately **286.6 acres**, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: A total aggregate royalty for the State Lease and the required private lease for this tract shall be a minimum of 25%. The State Lease will also contain a provision that at the end of the primary term of the Lease, the Lessee will release all right, title and interest in the Lease as to all depths 100 feet below the deepest producing formation on each respective lease at the time of expiration or deepest formation behind pipe capable of producing on each respective lease at expiration.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16855  
EXHIBIT "A"

**PORTION OF TRACT 32810 - Vermilion Parish, Louisiana**

A portion of the entirety of the beds and bottoms embraced within the meanders of White Lake as the same presently exists and not under mineral lease on September 13, 2000, located in any parts of Township 14 South, Ranges 1, 2 and 3 West and 1 East, and Township 15 South, Ranges 1, 2 and 3 West and 1 East, all in Vermilion Parish, Louisiana, (subject to the understanding that: "Nothing herein shall affect the rights if any, of any person who may claim title to any portion of what was formerly land adjoining White Lake and which is now water-covered because of erosion"), which area, for all purposes of said lease, shall be considered to comprise 50,000 acres, whether it actually comprises more or less and more specifically described as follows: Beginning at a point having Coordinates of X = 1,635,162.40 and Y = 397,225.00; thence East 330.00 feet to a point having Coordinates of X = 1,635,492.40 and Y = 397,225.00; thence South 660.00 feet to a point having Coordinates of X = 1,635,492.40 and Y = 396,565.00; thence East 330.00 feet to a point having Coordinates of X = 1,635,822.40 and Y = 396,565.00; thence Southerly 990.00 feet to a point having Coordinates of X = 1,635,822.40 and Y = 395,575.00; thence West 330.00 feet to a point having Coordinates of X = 1,635,492.40 and Y = 395,575.00; thence South 330.00 feet to a point having Coordinates of X = 1,635,492.40 and Y = 395,245.00; thence West 330.00 feet to a point having Coordinates of X = 1,635,162.40 and Y = 395,245.00; thence North 1,980.00 feet to the point of beginning, containing approximately 22.50 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: A total aggregate royalty for the State Lease and the required private lease for this tract shall be a minimum of 25%. The State Lease will also contain a provision that at the end of the primary term of the Lease, the Lessee will release all right, title and interest in the Lease as to all depths 100 feet below the deepest producing formation on each respective lease at the time of expiration or deepest formation behind pipe capable of producing on each respective lease at expiration.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.